14

ing distinguish it from the inflam-

The Bile in this fever is excessive in
tity & possesses a preternatural acri-
ny. ~~bass~~ So great is this acrimony, that it
the throat in passing &
etimes excoriates the rectum in
bing thro the bowels with the stools. See
nisis.

Has this fever any precursors? yes - flight
d ache - bitter taste in the mouth -
ially in the morning - Deficiency of
etite - & occasional sickness at stomach.
this case - a gentle emetic has often
ented ~~a few~~ this fever. In 1780 I
ied pubes in my pockets & gave
with effect to all my patients &
n I met in the streets who

-plained of any of the above symp-
-ms. Where a pseu ~~was~~ is objected to,
-ange ~~of~~ answers nearly the same
-pose. Half a pint of wine - a
-ght of porter - or the pediluvium
-wise have all been used with success
Strangling a ~~forming~~ bilious fever
its forming state - for this fever like
the inflam^n is ushered in with all
symptoms of debility. Great care
-ld be taken, that the stimulus does
exceed the excitability of the system.
-ve known death in two instances
-n a bottle of wine being taken in
forming state of this fever. The
-tity was overproport^d to the state

the system, & produced by its stimulus
sions & congestions in the viscera
ich I said formerly was one of the
s in which fevers terminated in
eath. ——

Even the yellow fever of the West
s may be prevented or cured in
forming state. ~~of this~~ The remedy
this purpose is an extraordinary
, and would not be credible did
ot
ome to us this the most respecta=
authority. Dr Mitchell in a ma=
ript acc.t of this disorder which
ut into my hands by Dr Franklin
that when it prevailed in Virgi=
where it was imported in some

r also by giving a Vomit, or a Sweat.

V Influenced by these two precedents, I publicklly recommended V.S. ~~to~~ in our late Epidemic, not only in the forming state, ~~but in~~ of the disorder but to full people who were plethoric, in full head & thereby I ~~unfortunately~~ often either strangled the disease in its birth, or rendered it or prevented it altogether. Where V.S. objected to I advised gentle purges - a a temperate diet consisting chiefly Broths - milk & Vegetables.

tis ship about the year 1741, he
repeatedly prevented & cured it by
ing away ℥b of blood as soon as the
ient comp.: of the hot weather or headach, &
before he was confined. Dr St George
old French West India military Physician now in this
confirms this practice. He says
he had for many years uniformly
the ~~ladies~~ recruits from France
soon as he discovered the hot typ.:
of the yellow fever on them, & y:
whom failed to prevent the complete
ation of the disorder. ~~It is difficult~~
The ~~bl~~ & conduct purging in these cases acts by
~~how it acted~~ ~~especially as it was~~
~~ailed by before the commencement~~
~~lysis took place. Perhaps by~~
& thereby
ing fulness - ~~it~~ lessening the excitability

& Selection the same effect in Increasing
Strangury in old Mr Zane.

the System to the stimulus of the Contagion
ch had been received into the body.
ging has the same effect in preventing
entery & Sensibility after the ~~absorption~~
ission of the contagion of those disorders
to the System. —

The Remedies &c in this state of fever.

1st Blood letting. I know that objections
made to this remedy by some writers, in bilious fevers.
& it is ~~absolutely~~ frequently necessary to moderate the
vulsion in the Arterial System & thereby
vents those effusions, & their consequences in the viscera &c:
ays take place in the fatal cases of
fevers, for Dissections constantly shew
ep - pus or gangrene in the stomach
ls - Liver Lungs Brain. ~~in these~~
~~cases~~ The practice of V.S: in this state of

v its grades like inflamd fever, & appe
with different degrees of violence in
countries, & in the same countries -
different years. Few of the bilious fe
of ~~this~~ autumn of [1792] were cured w
blood letting. Few Epidemics lass
same beatment every year. Sy
rules shd be our guide. Examin
previous diseases, & find out the
of the present disease.

er has been recommended by Sydenham,
Thome - Mosely
llary - Towne - Warren - Osler, and
ny Other Physicians. Hirsham goes
as as to say - "Yes - I would bled in
fever with the symptoms before men-
ed even this I ~~to~~ were sure a most
ilential fever would succeed it". ~~I said~~ ~~Great~~
~~formerly that this fever arose from~~
~~some accidental human contagion.~~
Quantity of blood drawn should always
moderate. Fever cases require more
n 10 Ounces. It is the more necessary
e fever be complicated with Pleurisy,
Hepatitis.
ch is often the case in this city after
t comes on. The blood in this case
frequently a tiny pellicle. In
ar of 1790 V.S. was not indicated, but it has

Vomits. These are necessary to discharge
redundant and vitiated bile. - ~~Lets they also~~
They also ~~[illegible]~~ Abstract convulsion from the
nervous system, by exciting action in
the alimentary canal. The late King of
Prussia in his posthumous works, tells
that a fever broke out in his Army
the year 1757-058 which was attended
with delirium & carbuncles under the
armpits & in the neck. It was brought
on he says by cold & bad food, & generally
ended fatal in ~~fo~~ three days. Allmentris
says till Emetics (prepared from
tartar) were given which saved 97
of 100". Great care should be
taken not to give Emetics in those
cases in which it is probable ale
bile is discharged from the stomach

the powers of the system too much
ilitated to bear them. The latter are
metimes only suspended - and not
austed. Here Vomits are safe and
fes. I have often removed languor
ausea - head ach & delirium in
' an hour by discharging a few
ces of Bile from the stomach. This
or this state of indirect debility
pression of the powers of nature is
other system,
e Disease in the beginning of this
er, but should not be trusted carelessly in its
ter stages. - I have sometimes however used m.
h advantage in obstinate nausea, or
iting (where nothing could be discharged)
the 5th or 7th day of this fever.
ges - The most lenient meda
alts - Cream ℞ - Castor Oil - Manna

occasion

+ I have for ~~many~~ several years past g[illegible]
~~them~~ them, but seldom in larger doses than five
six grains.

corresponds ~~it~~ them in light

+ Dr Balfour - ~~Pringle~~ ~~Lind~~ ~~all~~ both adv
in his Art of Health

~~Balfour~~ a book wd: ~~I have~~ ~~was~~ ~~posse~~
to me by the
~~in my possess~~ author several yea

ago -

with these facts (one of which I delivered last year) before my eyes, you must think it strange that I learnt the use of mercurial purges in our late Epi=
=demic from a practitioner in this city. That the ~~[illegible]~~ man who has ~~[illegible]~~ ~~prudently & faithfully~~ asserted this, sh? have supposed that when he gave ~~fourteen or~~ six or eight grains of Calomel in the yellow fever ~~and~~ he had introduced a new medicine into practice, ~~[illegible]~~ does not surprise me — for many thing that has been discovered ~~[illegible]~~ in medicine ~~[illegible]~~ for ~~a~~ new 20 years, must be new to a ~~[illegible]~~ person who had been engaged in commerci=
=al pursuits for the greatest part of that time, but that that man sh?

have been supported in his claim of
in the use of Linde vessels of more general
originality, by ~~reason of deference of~~
yielding to information than himself
~~Physicians & others of~~ is truly surprising.

As I shall cut this matter short by
declaring thus publicly — that when I
resolved to purge wth Y^e — & salaps — I did not
know ye it had been given by any Physi:
-cian in this city — that I adopted the
~~practice~~ idea of plentiful purging from
Dr Mitchell — & the formula I used
from Dr Young — that my practice
both in the use of this purge & V.S.
was founded upon a sudden conception ~~the extensive~~
of the theory of the disease I have given
you, & y^t all my other remedies
as you have heard, accorded w^th:

them ~~I by learn to a~~ I did not give
it alone - in which case it was seldom
effectual - I did not follow it with
as very different was the practice
of the supposed Author of this page.
- He followed ~~it by~~ his single & scanty doses
of Calomel with Rach - wine &
Lauda.m and uniformly opposed Dr.
~~in those days~~ Untill compelled to
adopt it by the clamors of the people.
- I shall only add - that I lament that
this medicine in the doses & combinations in wh.
I gave it, was
not introduced into ~~our~~ practice in
our late Epidemic, by the Gent.n to
whom ~~a deceitful & official reading~~ ~~misrepresentation of mine~~ have ascribed
it -, for his popular & respectable
name with ~~the~~ many of our Physicians, ~~of Phila.d.~~

would soon have ~~given~~ brot it into general use, & thereby much mourning would this day have been saved to the citizens of United States.

In addition to the facts before quoted in favor of the use of Y in billions ~~fevers~~, I had two ~~cases~~ records ~~of Y having~~ in my common place book of Y having been given so copiously as to excite a delirication in the plague, & with great hemp. I shall speak of this mode of ~~giving~~ using Y in fevers in our next lecture.

should be preferred – altho' Dr Clark
as he used Calomel as a purge in this
ver with great advantage. It evacuates
ost powerfully all the contents of the
owels, & if from a pain in the right
e or other symptoms of Hepatitis there
uld be reason to suspect the presence
or if there are any disagreeable symp.
that disorder it should be given in
ms supposed to arise from worms, +
eference to all other purges. + small
ses of Tart Emet. are likewise useful
en given so as gently to act upon
bowels. – It is of great importance
remember that there is constantly
production & fresh effusion of
– and therefore we do nothing to
ose, unless we give purges every

+ They are in all cases safe wh
the tongue is moist. [Dr Morel
says the strength of his patients ra
with every stool. p: 179.]

v this fever I first saw Cal: & Jalap
exhibited in large doses with perfec
safety. by a certain Dr Young. I did not then adopt it, becau
I found the Disease to yield as readily
cooling salts.]

day.
ter ~~today~~. They should be preferred to
mits in cases of pregnancy - or in
predisposition to a vomiting of blood.
ysters should be given likewise to
discharge the contents of the bowels
wels. ±

Cool Air. This is of immense impor-
nce. The hospitals of the Eastern nations
- patients in fevers are always made
the form of tents - open on all sides to
e Air. ~~The~~ Barns & the shade of an
ple tree, saved ~~many hundred~~ the lives
many hundred soldiers during the
e war in the ~~year~~ summer of 1777 at which
e this fever prevailed very generally
the American army. - It was in-
d Drinks are always proper in
s state of this fever: they are most
ntioned, under the circumstances stated before

also ripe fruits especially water melons.
reeable when a little acidulated.

6 The Cold Bath has been used the w.
in
ofs ~~at Baulam in this fever.~~ ~~Perhaps~~
It would
~~would~~ be best to continue the applica=
here as in inflam fevers
n of it for some time - that we might
ve its sedative effects entirely be.
-acted from the ~~an~~ increased action
the vessels which follows the stimulus
the air upon the body afterwards.

Indians & the Africans ~~an~~ lepen or
exes of
Bdue the ~~inflam~~ action in the
not only but by
Small pox, by plunging ~~d~~ swim=
in
ing ~~in a~~ cold water. Bruce tells us
t in the Island of Mepuah they
e this fever by nothing but cold
ths, and pouring large quantities

v/ I have seen great advantage fr
the frequent application of cold water ov
to the forehead.

vi for contagion has been & may
generated in a common bilious Rem
=tent.

cold water upon the patient so as to deluge
n in bed. A patient recovered from
e highest degree of fever in the plague
1664 by jumping out of his bed in
delirium & swimming across the
morbid
ances. Here excitement & delirium was
en down by the coldness of the water
excitability by the patients exercise,
labor in swimming.

By avoiding stimulus, more especially
t which arises from the generation
contagion. This must be done, By
oving the feces & Urine as soon as they
discharged. 2 By frequently cleaning
tongue and teeth. 3 By frequently
ging the ~~lin~~ body linen & sheets.
- never to be forgotten. 4 By changing

This is to be done frequently

correcting the air. 1 by opening the
windows. 2 By means of fires. This
strongly recommended by Dr Lind. They
be used even in summer. By the fum
that they excite in the ~~air~~ room, they
ry all foul air up the chimney.
By means of twigs of trees especially
the willow. Perhaps shrubs in a
te of vegetation would be better to
b the impure air. Dr Priestly's fact
ment proves it. 4 By the Vapor of
ect at liberty by pouring Oil on
mon Salt. 5 By removing Curtains
m & unnecessary furniture from
om, & placing the patient at a
tance from the wall - & from such

-niture as is useful. Dr Beardsley infect.
Hospital at the yellow Spring
-tained Contagion 5 Months, & Dr Ker
-Shens in the Phil: Transact. tells us,
-t the Plague was retained for 3 years
a Wall, tho' it had been repeatedly white-
-washed during that time.

Is Opium proper in the State of Fever
-ish I have described? It always does
-ore when given too soon, but after
Vomiting & purging it may be given
-th advantage. The Dose should be regu-
-d by the pulse. I have frequently pro-
-ed a night's sleep by giving only
-drops of it. ~~and have seen~~ when 30 drops
-t would probably have produced de-
-rium & have aggravated all the symptoms.

e Blisters proper in this fever? Pringle
Sydenham Object to them from their being
apt to produce ~~sora~~ mortifications. I
ve known death twice brought on by the
emense discharge which followed them
ter the fever appeared to be subdued [Pet:
er & Thos Ashton Jr 1798]. But there are
ts of this fever and symptoms which
ine them 1st It is difficult to find out
is state. Dr Lind fixes it on the 3rd, or 5th day.
they are applied before this ~~state of stage~~
he fever, they increase the disease by their
mulus – if beyond it – their stimulus
either too feeble to be felt – or the humors
so much disposed to a septic quality
make a sore of any kind unsafe
the body. The pulse in this case
st be our guide – when it begins to

g a little, or to discover marks of mixed
tion, they are always proper. Dr Lind's
ment of their efficacy accords so perfectly
ith what I have observed in the military
spitals & in private practice that I shall
ve you his own words upon this sub:
ct. "I have more than once says
e Dr ordered eight or ten to be blistered
an evening, and have left them with
quick pulse - great heat - immodesate
rst - pain - confusion - & heaviness in
head - and what to a Physician con:
sant with such fevers, communicates
more certain knowledge of the condition
the patient - such a lifeless sunk state of
eyes, as denoted great danger. But next
rning, I have found this patient with
ively - brisk eye - a calm pulse the w:a

+ on Fever & Infection p 193.

≠ Do — —— p. 360.

ie to get out of bed".[+] He adds further,
t eight out of ten of the Sailors ~~and~~
longing to the Russian fleet that wintered
Spithead in 1769 were cured by this
medy."[‡]

The symptoms of this fever which
ire Blisters - are 1 Coma. It comes
es
ess in the beginning from the stimulus
miasmata or contagion producing in-
ect debility. Here a Blister to the
k acts like a Charm. I have often
d it in such cases, & have frequently
ugled a fever by it in a single night.
In this case
en Obstinate Vomiting. ~~Bad~~ Blisters
the wrist - ankles or thighs seldom
l of giving relief in a few hours.
ey do most service when applied

the thighs. I learned the use of them in
Hymstown 22 years ago from a West
ia practitioner, & have since read a
ge acc^t of their efficacy in stopping
vomiting by Dr Grier in his Diseases
Jamaica. —

The following remarks on Blisters
ay not be improper.

1 They sh^d not lie on longer than to
oduce a Blister. This is done in some
es as effectually in 6 or 8 as in others
12 hours.

musk & camphor are said to
vent a strangury - but they some-
mes fail. Demulcent Drinks &c.
e to be preferred. —

They sh^d never in this fever, & pro-
bs in no other, be dressed with

+ It always anguss well when the
produce this effect.

bbage leaves. ~~Their~~ smell is offensive, &
are apt to become putrid. Dr Rodgers,
ork's fact. — An ointment of Oil
ex is ~~the~~ a much mildest application to these
gives pain — Bread & milk wth Oil
be used.

Cutting off the Cuticle in dressing them
uld always be avoided. —
Dose of opium sh^d always be given wth them.
How do Blisters act in these cases?

gentle stimulants justly propor-
ed to the ~~energy~~ state of excitability. Their
st effect is frequently to induce
s. — Then they act like Opium
en the system is below the sleeping
int.+ They tend further by their
mulus to produce equable determi-
tion to every part of the system,

nce they often check Dysenteries &
en Hæmorrhages in a single night.
It should not surprise us that a just
proportioned stimulus applied to the
ssillary vessels, should cure a convul-
sion in the arterial system, when we
collect how suddenly, how effectually
stimulus of Vol: salt, or of a burnt
(from Hysteria)
ther cures a convulsion in the
w: system.

Are Sudorifics proper in this
e of fever? — If the remedies I have
ntioned, have been used as they sh:
they will seldom be necessary. In
attended with nausea or puking,
initable state of the stomach — a
made of Virginia snake root —
mmile flowers — or Columbo root

There is one remedy which has been generally used in this fever & that is Bark.

ay be given with advantage, where
listers have failed to remove it. These
s generally determine gently & safely
the skin. V Novem^r: 23rd: — 92

~~Here I pass~~ on now to say a few words
the Bilious ~~Remittent~~ fever. all
e remedies before mentioned are to be
given according to the state of the system.
nt there is here more remedy proper
re - which is highly improper in
cont^d bilious fever with excess of Action
hat is Bark. In the exhibition of it
circumstances are to be attended to.
Give it upon the first appearance
a Remission if the skin be moist &
head free of pain without any
ard to the frequency or febrile

ction of the pulse. I gave it under these
circumstances in 1780, and I often
observed the pulse to become slow after
the use of it. where head ach & dry
skin continues - it always does harm
with a full pulse
they all show too much action in the
system. I have known a simple re-
mittent which would have yielded to
moderate bleeding, or to a purge, changed
by the too early, or improper use
of Bark into an obstinate & dangerous
phrensy. —

Begin in doubtful cases of the state of
tion of the system with an Infusion
of the Bark. This alone when it exactly
corresponds with state of excit.y of the system
stem prevents a relapse

It is of so much consequence frequ-
to throw in the Bark in the first o-
=mission that a Physician will fi-
find great Advantage in sitting u-
with his patient all night.

I shall only add to this acc^t of the
Remittent fever a single fact mention-
only by Dr Hunter in his treatise on t-
diseases of Jamaica, & that is that ac-
=stomatic tetanus sometimes attends
I have seen one case of it in this cit-
It yielded in a few hours to a prepa-
of Tartar Emetic.

e fever: Capt: Hutchings i fact. If it
ls, and no marks of increased action
ppear in the System - then give the
rk in Substance. —

Land: often enables the Stomach to
ain the Bark & it certainly add to its
icacy, for it belongs to the same class
Medicines viz: Stimulants. Dr Balfour
s that he has often given from 3 to 5 ℥ of
Opium with the bark in a day. I have
r many years used the following
ixture in the Remissions of bilious
er. Brown ℥ij to ℥ss of Bark according to
action of the System: I: Lost Therpham ℥ss
i Land ℔ 30 - or 40 Argenth ℥ij & as
ch aqfort: as will make a mixture
vi of which Coch: i ℞: ~~dem~~ during
Remissions of fever. V

2

e come now to the 11th general
digestion — Ch. 2d — treat of such contin
et has now proceed to fevers of too
considered as
ch action ~~which~~ are not inflam:,
which are produced by the external stimuli of
se are Bilious - and yellow fevers -
~~miasmata or contagion~~
o the ~~1st stage of~~ the Plague. They differ
om Inflam: not only in their symptoms
t their causes, being induced chiefly
human
ness miasmata or contagion.

For a history of each of the I refer
to practical Authors. I shall hereafter
the pathological lectures,
nutely distinguish the different species
sities of miasmata
which they are de
They are known
low fever; from
eason in which th

The former I believe has be
& may be generated in all warm
seasons in all middle latitudes, & I am
disposed to believe that the Plague
often been generated in many part
of Europe as well as the Asia. The
Plagues which prevailed in London many
years from 1603 to 1611, & from 1636
to 1648 I suspect were generated in the
city. The diminution of plagues in Eu
especially in London I suppose to be ow
to the great change in the diet & manne
of the people also to the ~~worse~~ less crow
state of the houses & accommodations
the poor among whom the plague

yellow fever & Plague are endemic in the former ~~peculiar to~~ the
the latter
tropics & Turkey, but often communi-
cated ~~by them~~ to other parts of the
world. The Bilious fever is peculiar to
warm climates & seasons. It prevails
every part of the middle & southern
states, more especially in Autumn
or a warm season. You may see
a minute acc^t of it as it appeared in
Philad^a in the year 1780 in the inq^y &c
w^h I published a few years ago.
The less more obvious symptoms of this fever are
great head ach, delirium
slight fitt, nausea or vomiting some
times a Dyarrhoea. Twist, but dark
red tongue, eyes suffused with
great thirst &c. The
& a full, quick & bounding pulse.
of the tongue & the nausea, or

always makes its first appearance.
is true - all those plagues were said to
have imported into London ~~from~~ either
or indirectly from the Levant, but from
were generally wanting of such importa
- ~~The prevalence of~~ ~~Palaps~~

+ Dr Hume says that he has know
the bile to excoriate the rectum a
the yellow fever to such a degree
prevent the introduction of a Glyst
pipe.

We have already considered the disease of excess & defy of action in the nervous system. We come now to those nervous affections in wh there is an absence of action. These are called Adynamic. They consist of Syncope & Asphixia.

Syncope

"A Diminution, or suppression of the motion of the heart." —

Its symptoms - a sense of languor & anxiety abt the heart - giddiness of the head - drowsiness - noise in the ~~heart~~ - quick - or absent pulse & respiration - palpitation - cold sweat especially on the forehead - and a cessation or impaired state of the ~~senses~~ animal functions of sense & motion. Upon recovery there is great sense of anxiety abt the heart & often vomiting - also convulsions & epilepsy.

✓ Dr Bureville was subject to it for 40 years, & yet lived to be near 90.

+ 6s Oysters - ~~Bro~~ three cases of death from them - & one of Syncope - Oyster hard done - also Clams - Mince ~~pape~~ pie - and many other things.
Lards - Suet - Chamois -
Tripe - fruits of various kinds lie long on the Stomach - Instances of near a year.
Produce different degrees of diseases as Stomach - Vomiting - Syncope - Asphixia - death.

Women & men of female habits are most subject to it. It prevades whole families – is hereditary – ~~also~~ Does not necessarily shorten life

Its causes are either local depending on Aneurism – polypus – Dropsy – or Ossification of the heart, or the large blood vessels which adjoin it. Or they are general – viz: such as act upon the whole system thro' the intervention of the brain. — These causes are

1 ~~Disease~~ ~~Blood letting~~ Hæmorrhages or even blood letting.
2 Violent emotions or passions of the mind.
3 Excessive pain or the expectation of it – as in Lumbago
4 Inanition 5 wounds 6 Mortifications
7 Disagreeable sights as of sores – blood &c
8 Disagreeable Odors as rotten Cheese &c – also contagions
9 cold water. 10 Offensive substances in the stomach.
11 Heat Predisposing Cause – Debility –

Proximate Do – ~~Defy on~~ Absence of Action in the Nerv: & Inter System | ~~of pneumogs~~
~~or defect of Stimulus in the Lungs~~

cure – From local cause incur=
=rable.
From general.
Two things to be done 1st Remove the fitt, &
2 Obviate its Return.

Remedies for the fitt – are

1 Recumbent posture of the body –

2 Stimuli applied to the body – as Volatiles – burnt feathers – Snuff the feet of the feet be applied to the nose – also frictions – & above all – fresh air – this a quick Stimulus to the lungs, & absolutely necessary to set them in motion – Hence when they come to, – a long breath to take in a great deal of dephlogisticated air to fill the lungs, & set the heart in motion. – It is common to throw water on the face – In the ~~a~~ State of great excital.y of the System – by its weight it may ~~bring~~ excite the action of the vessels – Nose=
=over considering the Coldness of the face – the water may be ~~was~~ relatively warm when applied to it. –

3 If these fail – Glysters – Stimul.g cataplasms

If Syncope arises from heat, the cure is a hot Bath. Bruce says, the effects of heat are obviated by it in Mesopotamia. He says he felt as much refreshed after it, as after rising from Sleep in the morning. He thinks some water is absorbed, and hence part of its invigorating effects. Pulteneie says the effects of heat are obviated in the same way in Russia - the heat of the Bath is not tolleable many minutes by Strangers not accustomed to it.

Here we see an instance of the variety in stimuli. Heat acts differently accordg to its modification in Air Vapor or Water fresh and salt.

+ coming on more suddenly, and in the Dispossession of the exercises of the mind. persons who recover from it, have no recollection of anything that passes while they were affected with it.

to the feet - & blisters may be applied. -

In that Syncope wch occurs from drinking cold water - frictions should be used - and as soon as patient can swallow - Lh shd be given, as the Syncope is frequently alternated wth great pain. - ~~This~~ Syncope from this cause prevd by grasping the Cup - washing mouth - hands or feet. - ✓

The return of Syncope may be prevented by 1 exercise - 2 Cold Bath. 3 Great resolution as to Odors - be wch occasion it - instanced in boiled Chesnuts.

Asphixia

1. Such an Absence of motion as resembles death". - "It differs from a trance in t

Its causes are 1 violent emotions or passions.

2 Offensive Substances recd into the Stomach. - Geo: Fox's case. -

3 In Certain degrees of Cold. - Produces it in many animals - ~~Dr Hunter~~ Mr Hunter supposes it may be prodd in man be t he

V In the cessation of the circulation of the blood, and of Respiration, there is frequently a continuance of life motion in the brain where the mind is seated — Hence people who recover from it tell us of Dreams — these dreams are sometimes about the future world, and are mistaken for Revelations. Thos Says were Sumner's Dr Benneville's — Sometimes in asphixia — the sense of hearing is perfect — Jos Rush ~~owns~~ tho't to be died in the West Indies — was laid out overheard the arrangements of his funeral — revived — change to be kept a week when he died 1798 at 80 years of age. — There is a curious

might be preserved in that state ~~six months~~ two years (provided it was never below the first point which produced apparent death) and yet the patient be recovered. — The analogy of the toad — ~~this~~ bears & prepares us to believe the most extravagant & improbable things on this subject. —

4 ~~Putrid Fever~~ Contagious — a case related by Dr Hach at the Havannah. act by excess of Stimulus producing indirect debility —

5 ~~The Gas~~ Fixed Air especially from Charcoal — & Wine Cellars. 6th Hysteria.

7 Drowning. 8 Hanging. — V ~~Hysteria~~.

The cause of Asphixia — diffr according to its Cause. — Here to use the words of Dr Goodwin "we do not restore life — but only cure a disease!" — ~~If from things red into the stomach~~ ~~Hot Drinks~~ ~~nothing but~~ Life depends ~~on two causes~~ much on Heat ~~and the Heat~~ acting on the whole body, and of Deph. Air to the lungs. In curing them all, these necessary Agents of life should be restored. If from Substances red into the stomach, Heat shd be excited & preserved.

history of a certain Jn° Engelbrecht a lutheran in whom ~~there is~~ ~~the man~~ the whole body appeared to die – his hearing last of all – but his mind was still ~~active~~ ~~alive &~~ alive & active. I shall read an Acc^t of his case in his own words " It was on thursday noon about 12 o'clock when I perceived that death was making his approaches upon me from the lower parts upwards; insomuch that my whole body becoming stiff, I had no feeling left in my hands & feet, neither in any other part of my whole body, nor was I at last able to speak or see; for my mouth now becoming very stiff,

If from Cold - moderate heat. "It appears says Dr Hunter to be a law in animal bodies: the degree of heat shd. bear a ~~gen~~ proportion to the quantity of life". If a body is frozen, ~~the~~ its cold must be ~~at lowest~~ at, or below 32°. - In this case then the heat of pumps or spring water wh is a few degrees ~~ab~~ above or below 52°: may be used ~~with Ad~~ first. - Ex Room of the same temperature shd be used likewise for the body. The gentle frictions should be applied, & the heat encreased with the ~~encrea~~ appearance and encrease of life - till the body will bear the heat of a common room. -

Bears & insects recovered in this way by the gradual approach of Spring. If warm weather came on suddenly - would be fatal to them.

If from contagion - The Stimulus of fresh Air - Dr Hush's Cases. - Frictions -

If from fixed air - the same - also inflating the lungs with dephl^d air. - or If from Hysteria irritating the os Tinea.

I was no longer able to open it, nor did I feel it any longer. My eyes also broke in my head in such a manner that I distinctly felt it. For all that I understood what they said when they were praying by me. And I heard them distinctly say to each other feel his legs how stiff & cold they have become. This I heard distinctly but had no perception of ye touch. I heard the watchman cry 11 O'clock, but at 12 my hearing left me." ~~The~~ After relating his passage from the body to heaven, ~~Dr Ho~~ with the velocity of an arrow shot from a crossbow, he proceeds & says that as he was 12 hours in dying, so he was 12 hours in returning

~~The~~ Death from drowning depends on the want of the Stimulus of Dep.d Air. Dr Goodwin has proved that the small quantity of water which insinuates itself into the lungs does not prevent - altho' it renders breathing difficult. Exp.t with a Cat. - The red color of the blood after it passing from pulm.y Artery to pulm.y Vein he proves to be owing to the Action of ~~this dep.d~~ the Oxygen of the Air upon the blood. This Air is 1/4 or 1/3 Dr Goodwin says of all the Air we breath - the rest phlogisticated. —

The Indications of Cure are - To restore heat to the body, & dephlog.d Air to the lungs. - For this purpose the body should be conveyed in the gentlest manner to some house. ~~to a pp~~ Its wet cloaths shd be taken off - and it shd be well wiped - its head & limbs shd be laid in the most easy & natural position to avoid injuries from compression - a gentle heat should ~~be~~ be used, & gentle frictions - and these

to life. " as I died says he from be-
-neath upwards, so I revived again
the contrary way from above to
beneath, or from tops to toe. Being
conveyed back from the heavenly
glory, I began to hear again something
of what they were praying for me
in the same room with me. This
was my hearing, the first sense
I recovered. After this I began to
have a perception of my eyes, so
that by little & little my whole body
became gradually strong & upright, &
No sooner did I get a feeling of my
legs & feet, that I rose and stood firm
upon them with a firmness I had
never enjoyed before. The heavenly
joy I had experienced invigorated me

should always be depend according to the signs & increase of life. — Besides these other stimuli may be used — as Injections of tepid water, or smoke of tobacco — to set the bowels in motion which are a very irritable part of the system. If friction fail — tepid bath may be used, or the body shd. be put in bed, & a healthy person put in bed with it to warm it.

The water shd be if possible be drawn fm. the lungs. Dr Goodwin has given us a draught of an instrument for this purpose to which refer you — But if no such instrument is at hand, the lungs shd be inflated thro' one of the nostrils — & the other nostril, & mouth shd be closed. — The air shd be gently pressed out of the lungs afterwards. This often repeated — when signs of life appear — ~~friction~~ these efforts shd be depend — vomiting — bleeding — & purging all improper & unnecessary. — Gentle shocks of Electricity useful! —

Instances of recoveries from 10 minutes under water to six hours. Not frequent here & they

to such a degree, that people were astonished at my rapid & almost instantaneous recovery!!

Arnold Vol: II p 298.

translated from the German by Francis Okeley. —

+ Asphixia from hanging to be treated in the same way. —

V Perhaps the ~~contraction of~~ Stiffness the livores, & the contraction of the ~~fa~~ hands may be considered as morbid states of the system and not signs of death — when they occur immediately after death.

The body is specifically lighter than water. Why does it sink? Sudden contraction in all its parts whereby its specific gravity is encreased, & hence its sinks - ~~hence too~~ This contraction appears in the fists - which continues for several days after death. Floating, & even sleeping on water prove first proposition. ~~It~~ After a while the body floats, - ~~so perhaps~~ owing to putrefaction.

There is but one certain sign of Death viz: putrefaction - discoverable by smell & colour. But if we admit putrefaction in the excretions which occur in diseases, even these marks are not decisive proofs of death. Are there any other? The case of fowls. universal stiffness in fowls & subsequent relaxation of sphincters. ~~and still disposed to believe in putrefaction.~~

There is no doubt but many persons have been buried alive. Premature sepulture should be avoided in all cases, where ~~death~~ absence of action has occurred without any injury to organisation - as in convulsions - fevers - ~~or~~ or sudden death - from any cause which affects the whole system only. The excitab.y in these

cases in generally great, & many instances of have occurred of persons under such circum=stances being recovered. — The practice of exposing persons under such circumstances to the cold air in a shirt or winding sheet shd be avoided. Many persons have been killed by it. —

Clas III. Cachexia

" A diseased state of the whole body without " primary febrile, or nervous affection "

Hitherto we have considered the diseases w: primarily affect the solids ~~primarily~~ moving, such as the arteries nerves, and brain. — We come now to those diseases which ~~affect~~ bring the fluids into sympathy — in which there is ~~a~~ such alleviation from health, that there is ~~no~~ either no action under the presence of stimulus, as in ~~Catalepsy~~ Tetanus, or in which the action of the system is ~~imp~~ general from local

Stimuli as in Hectic fever — or in which there is Swelling ~~or~~ & effusion or sores as in physunia = Dropsy — & Rickets from defic.y of Retrocin, or of Aliment suitable in quality or quantity to nourish the body. —

I shall begin with Tabes

" An emaciation of the body th.er or without fever". — In this I mean to include hectic fever — — a true tables seldom occurs without it — It seems to be a law in the system, y. debility produces excitab.y and hence in a wasting state of the body, the daily stimulus of Aliment — exercise — ~~thinking of the~~ the Actions of ~~papi~~ the mind — perhaps — heat — air & even light produce quickness of pulse or what is called hectic fever.

The causes of Tabes are

1 Def.t of Aliment. Persons worn lose

~~lose~~ their flesh upon a scanty diet. I well remember upon entering this city after the British Army left it, the first thing that struck me was the thin visages & reduced bodies of all the citizens who had remained in the city. —

2 Food defect in nourishment — as vegetables only. — ~~same bettand~~ /

3 Certain diseases w. prevent nourishment being conveyed into the blood — as Vomiting bad digestion —
or Obstructions of the mesenteric glands, or defect of absorbing power in lacteals from contraction of their cavities or perhaps palsy — The last in Old age.

4 morbid evacuations of all kinds ~~as bitter~~ ~~unnatural~~ as ~~of~~ menorrhagia Leucorrea Diabetes Diarrhoea — ~~& this~~ also preternatural as milk — To these some add of semen — I rather suppose — this discharge reduced the system by enervating it from waste of excitab.

5 preternatural Collections of nutritious
Substances in One part - as in Dropsies.
6 a Def.y of Oil which for is lodged in the
cellular Membrane & which occupies a
great part of the body. This def.y will arise
1 from want of Oily Aliment - as Ani=
=mal food. -2 From its being wasted by
excessive exercise - by Absorption for the necessary
purpose of facilitating Action & by perspirat.n
3 from fevers in wch there is always Absorp.n
- perhaps to cover the System from acrimony.
~~or perhaps by its acrimony~~

In all these cases of emaciation there is
generally a fever. we see it in many of them
as in Menorrhagia - Leucorrhœa - & above
all in the convalescent state of fevers. It
continues till strength & wen fat are
restored, especially in an evening. —

But there is an emaciation of the

But there is an emaciation of the body from a cause not yet mentioned, viz. from internal irritation. This often exists without local pain. Tubercles & Ulcers in the lungs - Gall stones in the liver - calculi in the kidneys - Stone or Ulcer in the bladder, and above all tumors & inflammations of glands in all parts of the body generally produce it. It is generally accompanied with fever which has obtained the name of Hectic.

The hectic fever is often confounded with Intermittent fever. It is of consequence to distinguish them. The marks of the Hectic are as follows. —

1 The fitts of a hectic are seldom alike more than for three or four paroxysms. They change their hours after the 3rd fitt.

2 The sweat sometimes succeeds the chill without the intervening fever. Sometimes the chill is succeeded by

neither heat nor sweat, & heat sometimes comes on without a Chillness.

3 The sweat gives little or no ~~la~~ relief in the hectic, wh is never the case in an in=
=termittent. The fever continues after the sweat, & sometimes Chills occur in the midst of the fever.

4 The fitts disappear for 10, or 12 days — to they do in Intermittents — but sometimes comes on so frequently in the same day, that the Chills of a new fitt follows the sweat of an old one. a Drowsiness often follows a Cessation of a fitt.

5 The Urine ~~clears~~ ~~as~~ is the same as in Intermittents, but sometimes ~~clear~~ turbid in the fitts, & clear in the intervals, whereas in Intermittents always clear in the fitts & turbid in the intervals. ~~In~~ Hectic fever without local affection the Urine is always clear. D. Hunter.

6 Great pains resembling Rheumatism, especially, from ~~open~~ Ulcers exposed to the Air. also occasional swellings of the

+ Perhaps a distinction between the Hectic and intermitt.g fever may be taken from its proximate cause.

~~In Hectic~~ There seems to be cause and dif.y of action in both fevers, but in the Hectic, there seems to be less irregular or convulsive action in the Art.l System than in the Intermitt.g fever: Hectic pa-tients seldom complain of Heart ach, in the hectic fever, but often set up & transact business, eat & drink, and even go about as in perfect health. It would seem as if the Arterial System alone suffered in this fever. In Intermitt. great head ach.

limbs - neck - & trunk of the body rising up in an instant without pain, or discolora=tion & disappearing in a few hours.

In a few cases it comes on suddenly like inflam^y fever, but mostly steals on with a sense of uneasiness - quick - pulse - & want of appetite & wasting of the body for several months before it confines a patient to his room, or before regular chills & fever formed. - The pulse seldom fails to give warning of this disease. But sometimes it does not. ~~In the~~ ~~Few~~ years 1791 ago ~~I~~ I saw a consumptive patient without it in the hospital. I ~~lately~~ have since seen ~~a~~ another in private practice. Miss Loxley. - +

~~The puerperal fever has many of the symptoms of this hectic fever, & has been called the same. Here evidently internal irritation.~~

Women abt 45 & 50 often afflicted

+ Hectic without Stimulus from an internal cause.

On the contrary, I think it probable that it may arise from such a degree & excitab.y ~~of debility~~ as that the ordinary stimuli which support life, act with unusual force on the system, and thus produce this fever. ~~The~~ We certainly see it brot on by a full meal - hence it seldoms fails to ~~follow~~ come on after dining. ~~Debility alone often induces it.~~ Dr Stoever says - ~~that the~~ in his life of Linnaeus that the inhabitants of Orsa in Dalecarlia generally die at 30 of hectic fever ~~die~~ induced by the exhalations of the neighbouring mines. The fever here is brot on only by causes of stimulus without probably any internal obstruction.

with it from Obstructions - Scirrhi in Ovaria - Uterus or Breasts. Obstructions in the Jaundice & Obstructions in the liver ~~&c~~ gall bladder ~~&c~~ also in the Stomach, are apt to induce this hectic. -

also Slight wounds with a finely pointed instrument. ~~also~~ poisons - Leucorrhoea - Menorrhagia - Ulcers & Abscesses in all parts of the body - especially ~~&c~~ but above all on the Joints called Arthrophyos ~~&c~~ & in the lungs - when it constitutes ~~called~~ ~~the~~ pulmonary ~~&c~~ Consumption.

It would seem as if the cause of hectic was ill directed efforts in Nature to remove some offending Stimulus. Instead of converging them to the Seat of the disease, she wastes them upon the whole system in general fever. Instances of similar want of consistency ~~have appeared~~ appear in ~~&c~~ ~~&c~~ ~~mentioned~~ many other diseases. I do not assert, that there can be no

V A ~~Sufficient regard has not been had to~~
~~the state of the pulse. when it is hyneba-oid~~
~~or-nouela VS: is certainty.~~ I have
V ~~It was certainly~~ used the w: advantage
of found the blood sizy
1792
[in Fleming's case, & his] blood was
~~evidently sizy~~ V I have tried every
species of tonics in it without success.
I have given ~~wm~~
~~even~~ Arsenic itself without effect.
The exercise of swinging ~~you have made~~ makes
no impression upon it. I have com-
-pared it to the Shirt of Hercules wch:
~~cannot~~ neither be cut, nor torn ~~from~~
from the back, but must be shaken
off by riding on horseback. It is the only
species of exercise which ~~seems to need~~ has seems
~~it~~ to be effectual in it.
~~when the~~ The pulse ~~had~~ be strictly
attended to, & VS used when it is hyneba
-oid-or-ouela - I have used this remedy
in those states of the pulse with advantage
Mr Hunter mentions a case in which it

What are the remedies for this ~~disorder~~ state of fever?

- Hitherto - no regular system in treating it - and empiricism has taught us nothing. - Bark - Steel - & the Cold Bath - ~~[illegible]~~ have all been in effectual. " Milk Diet has been the most salutary - but even this has often failed. - ~~Perhaps the type of the fever has been mis=taken.~~ It appears to be the Typhoid fever of Dr Cullen ~~& the Asthenic of Dr Brown~~. A Dr Frank in the 2nd Vol: of the med: Gazette ~~proposes to lead us~~ establishes a new theory of Cancers. He supposes them to be originally glandular inflamn: and recommends V.S: as the ~~only~~ best remedy for them. The pulse in the brachia is often ~~hard~~ tense. Perhaps this remedy may be more proper than those hitherto used - [but I can say nothing in favor of it from my own experience]. I have given you a new theory of the disease

was suddenly cured by the amputation of a leg, from a Disease in which the fever originated. The Sweats, purging & pale Urine instantly disappeared, & the patient recovered. Was the Remedy here the pain of the operation? or the new & opposite actions induced to heal the wound made by the amputation? The fact is an important One, & is capable of great application. — It leads to an explan.n of the efficacy of a Tabac.n in curing consumption. +

Dr Walker says he has seen 200 cases in One year from it among the poor women in Leeds. He ascribes it to the general use of tea. It ended when fatal in Tub: pulmonalis.

+ and should direct us to its use in Hectic fever from all its numerous causes.

In one case of Hectic fever attended with daily Chills. I cured by giving Tab: just before the coming on of the fever.

Rob Smith.

~~Perhaps it may lead to more successful practice. In the meanwhile - I can from experience recommend the milk diet - & moderate doses of opium.~~ Arsenic?

The Atrophy from scrofula, ~~too long, or~~ is to be removed, by removing the cause - Ab=
=lactation or another disease. Should be care=
=fully attended to, in all chronic comp.ts of women who give suck. many women perish from it.+ Shd not be stopped too suddenly - especially where there is dispo=
=sition to consumps.n - Mrs Wilson's case.

I have heard much of the wasting of the body produced by slow poisons given by negroes. I have suspected that ~~it is~~ the disease ascribed to poison was from worms or bad diet. I have seen the same emaci=
=ation here in negroes & white people
= where the suspicion was - not of poison, but a greater evil - witchcraft. Where

V Physicians are disagreed whether excess of fat be a disease, or a predis-position to a disease. Sauvage calls it a disease - It is both according to its degree.

masters are affected with a slow & wasting disease, especially if it begins after inflicting some severe punish=ment on a slave - I know it is ascribed to poison. I should rather suppose it was brought on by intemperance or violent passions, es=pecially if it were attended wth Dyspepsia. Where this wasting of the body was preceded by violent ~~the~~ action in the system as Vomiting - pur=ging &c - I think the poison more probable. - I deliver these thoughts wth diffidence - altho' they have been partly confirmed to me by a respectable practitioner in South Carolina. —

We come now to Swellings. These are first 1st fat - 2: Wind - 3 Water

1 Polysarcia - or fat

a moderate degree of ~~fat~~ fat is both useful & ornamental - but beyond a certain degree is attended with

V Hence the words of Shakespeare —
Let me have men about me
that are <u>Slickheaded</u> — men
that sleep at night. — Cæsius
thinks too much. —

difficult respiration - aversion from exercise - & plethora - In this case it ~~of course~~ is a disease. Fat women often subject to Umb. Ruptures.

Its remote causes are 1 Intemperance especially in the use of fat animal food - hence the general prevalence of ~~fats~~ corpulency among Englishmen who use more animal food than any people in the world, especially those of ~~who~~ them who move in the first circles of life.

2 ~~Intemperance in sedentary life~~ Intemperance in the use of malt liquors & wine - And spirits bloat, but wines produce solid fat. The two former abound in nourishment.

3 Sedentary life. 4 a happy temper & a quiet Conscience - Indians ~~& Sailors~~ ~~never fat, for they lead active and anxious lives~~.

Its ~~proximate~~ predisposing cause is debility.

Proximate - Inability of the excretories to throw off the quantity of ingesta - hence ~~they~~ they stagnate in the cellular membrane.

3 Alkalies. They act by neutralizing the Acid in the stomach. Soaps acts in the same way. They both lessen the evolution of Oil from the Animal fluids. Dr Cullen says he has seen fat reduced by each of these remedies

4 I have known the Use of Snuff lessen Obesity. It acts by insinuating itself into the stomach and taking away the appetite. Snuff (Col: Miles after leaving off (w. impaired his appetite) gained 30 pounds of fat in 4 months. —

5 exercise of body and mind. This is the most safe as well as the effectual remedy for fat. Sailors - Soldiers - and Indians who lead lives of constant labor & solicitude are never affected by this disease. The persons who are too lazy to use this remedy, deserve says Dr Cullen to be "smothered in their own grease".

Cure

1 Vegetable ~~& with~~ diet

~~2 Exercise or labor of body or mind as~~

~~bitt.~~ — ~~Alkalies~~ acids. They act perhaps

~~2 In lieu — or vinegar proper?~~ Ers

chiefly in weakening the chylopoietic organs. V

~~Bacon~~ ~~The last dangerous effects~~

~~the tone of stomach & Canals~~

~~& bowels~~ ~~by taking away the appetite~~ +

It is remarkable that early

Corpulency is often attended w the bad

health & short life. After 40, — it is bad

contributes to health & when not

excessive, to beauty. —

~~Intemperance very early~~

Tympany

"a tense - elastic - sonorous swelling of the belly. costiveness - with a wasting of the body.

Two Species. Intestinalis & Abdominalis. I have never seen the last. Heister in his 70th year says he had seldom seen it. when it occurs probably, from erosion of the bowels by worms, or ossification by which means Air escapes into the cavity of the Abdomen. Sometimes Air & water combined in the Abdomen. may be distinguish. by the Air rising above the water. The Air when discharged by tapping, has a most offensive smell. — I have since known it.

I shall read Dr Cullen's history of the Intestinalis. — Vol: 4. p: 235

I define it "a tumor often unequal of the bowels, with relief ~~from~~ of pain & tension from discharge of wind upwards

+ zur Versuchung?

or downwards!!

I have seen but few cases of the Intes:-tinalis. [The last I saw was last Winter]. - Every tonic was tried to no purpose. He suffered great misery & finally died] Dr Cullen pronounces the disease in most cases beyond the reach of our art. [If I cannot teach you to cure it, I will suggest a new theory of it] Perhaps it is because it is treated only with tonic medicines.

I suspect it has like ~~Gutteria~~ most ~~Hypos~~ ~~Uremia~~ other diseases ~~of debility~~ it has two ~~stages~~ ~~big~~ great morbid states: One in w: the ~~seat of~~ action takes place in the muscular fibres of the intestines. ~~Secondary debility~~ a great morbid action. - I am led to adopt this opinion of great morbid action taking place by the full & tense pulse which often attends it, and w: has been mentioned as the distinguishing mark of it from ascites.

2 From ~~the~~ the efficacy of cold drinks & cold Applications in relieving it. These

Dr Cullen says are the only remedies that ever he ~~say~~ saw do good. –

If this theory did not lead to a more successful mode of treating this disease, we shall only be were we were. I never saw it cured – And I have never seen any other remedies given, than strong Aromatic & Stimulating medicines – warm exercise – & riding on horseback. – Pick ups the open Glyster pipe so useful in Hysteria – might be proper? Physometra – or Wind in the bowels.

– ~~I have never to~~ Uncommon disease.

Emphysema – in the Thorax from wounds in the lungs, which extends thro' the whole cellular membranes – It is removed frequently by the hand, & goes off with the healing of the lungs.

Tumors from air – said to be common. I think I have seen them. – The air discharged by opening of an uncommon sator.

# of Dropsies

I shall first speak of their general Causes. — They all depend on increased effusion of water. — from preternatural increase of exhalation, or from rupture of exhaling Vessels, or sacs containing water — from compression especially of the Vena cava — hence its frequency from Obstructions of the ~~liver~~ liver — tumors & for a short time from pregnancy. — 2 from increased laxity of the exhalants. 3 from general debility of the whole system from fevers — profuse evacuations, & above all hard drinking. — A large quantity of liquors taken into the body. This rarely. 5 An Obstruction of the urinary Secretion from cold, or Ischuria. 6 Spoliation or a loss of the red particles of the blood by excessive V.S. 7 Rupture of Lymphatics or Hydatides. They are an animal which forms a vesicle for itself, and absorbs

+ It sometimes exists without danger as after fevers. It is often connected probably from sleeping often in an erect posture with Asthma. Some men have swelled legs (says Cruikshanks for 12 years) & yet otherwise enjoy good health. Wo=men are most subject to swelled legs, & suffer least inconvenience from it. There is a temporary swelling affec=ting even the thighs which is a symptom of the Gout. called Dum b Gout. all of which should be distinguished from Anasarca. — go to p: 656. — Besides the remedies formerly mentioned the following are proper in Anasarca. —

water to fill it. This animal called Tænia hydatigena. & want of tone in the Absorbing Vessels, or Lymphatics. generat=
=ed Absorption by the Infarct of the body +

Anasarca

"a soft - inelastic swelling of part or of the whole body."

This often owes from debility without visceral Obstructions. + —

Indication of cure to Absorb & Discharge y^e water & strengthen ~~Remedies~~ the System. All to be done by the same Remedies. These are.

1 Purges - Drastic as Jalap usually em=
=ployed - but Cream of T has often been more effectual. —

2 Vomits - promote universal excretion. case in the Inf^y of Edin^r: of 12 gr^s of T emet: taken by mistake curing. —

3 Diuretics - These are chiefly large quantities of watery liquors thrown into the body & determ^d to the kidneys by an acid or an alkaline or neutral Salt. I have never seen any good effects from strong Diuretics

as Cantharides, or turpentine. On the con-
-trary, they often produce an obstruction of
Urine. I have heard of parsley tea alone
curing this disease. Perhaps the kidneys
are so excitable a state, that moderate stimu-
-li act most effectually on them. I have
known ℥j of nitre dissolved in ℔j of water
& a spoonful 3 times a day - cure this disease.
certain Beers prepared of bitter & diuretic
ingredients have done service - But among
all the Diuretics - Digitalis has been most
celebrated. Its effects are singular. It reduces
the pulse - creates in some cases vomiting &
purging, & in all some pain in the back. Its
diuretic effects seldom appear till next
day. It requires copious drinking to
make it effectual. How does it act?
Does it - ~~to~~ act primarily on the
- ~~Is~~ it ~~as~~ ~~suddenly indirect stimulus~~
~~produce~~ Lymphatic system? Does it

upon action in the vessels of the kidneys & thereby favour the effusion of water thro' them — for excess of action is as unfavour=able to Secretion as defect — hence the Ischemia produced by Cerebr: & Spt: of Turpentine.

What makes this Conjecture probable is the Urine is always not only scanty, but high coloured in Anasarca, — which shews excess of action. It is remarkable that the great discharge of Urine in Hysteria is often during ~~the~~ or Aftr ~~wa~~ the def^t of action has taken place in the System. I cannot say much in favor of this ~~as~~ remedy as a radical one. It ~~perfo~~ evacuates the water but does not prevent a recumulation of it. I have never seen but one a radical cure performed by it — & I think I have lately seen it hasten the death of a patient. It was in use 100 ago for

+ great care shd. be taken not to
~~apply~~ use any of them, where there
is great languor in the system. Dr
Hunter says Blisters do most service
where they produce no Inflamn.
This I suppose must be only in
Diseases of too much Action. —

Dropsies. There must have been some good reason for laying it aside. Probably its deleterious consequences. — After all our principal dependance should be on mild diu=retics conveyed into the System with a large quantity of water. —

4 Tonics — as Bitters & chalybeates. These are indicated where the dropsy is from general debility, & especially where the stomach is affected. I have lately seen an Anasarca completely cured by 16 doses of the finely powdered rust of iron & powder of centiary. The dose of each was about ℥ss. — Mrs Tifs

1 Frictions — in the morning only, and upwards. Dr Cullen.

2 Gentle Scarifications, & Blisters, issues, & Mrs Collins' case highly useful. +

Salivation. This the most to be depen=ded on of any remedy I know. Have

+ It is remarkable that Digitalis seldom does benefit in the Ascites.

‡ But there are cases where tapping has succeeded in Ascites of several years standing. Life is often prolonged, and under comfortable circumstances by this Operation. There died a year or two ago[1791] at Rivington in Massachusetts a Dr Benj. Rowe in the 70th year of his age who ~~lis~~ was tapped 6 times, he lost 2.385 pints of water in the last four years of his life. ~~was~~ He enjoyed life comfortably during this time, & finally died of a fever. — In tapping avoid making a puncture upon the Scar of an old puncture. A Surgeon in London lost a patient by neglecting this caution. The Gut had been wounded in the first operation, & had adhered to the old Scar, so that it was ~~wounded~~

several times succeeded with it. Dr J. Bond introduced into our hospital. ∴

3. Are Diuretics - ~~proper~~? Dumpies ifact. seldom used. Is Cold Bath? yes — in some cases. —

Ascites

All the remedies mentioned formerly according to the action of the system, ~~as Aperients, Diaphoretics, Diuretics, Cathartics, Scarifications~~. Is here highly proper, Defn of Action ~~debility~~ attends with an affection of the liver, especially if ~~is affected~~. Is most certainly incurable if Lungs are affected. — Tapping a common remedy. Have known only 3 cases of radical Cures from it. The earlier the better according to Dr Fothergill. It is remarkable this Operation ~~remedy~~ succeeds best in warm and Dry climates. Bontius in the East Indies, Piso in Brazil, & Dr Towne in Barbados, all speak of its being often used with success. They all practised in warm & Dry Countries.

In Ascites attended with Defn of Action, what would be the effect of exciting general Inflamn of the Abdomen? The Lunatics of Hydrocele gives us reason to expect success from it.

pierced in the 2nd operation in such a manner as to ~~be~~ inflame & mortify afterwards. — The ~~pratty~~ liquor discharged by tapping is generally limpid as water, but I have seen it ~~it is sometimes~~ dark coloured, viscid like a thin gelly & curdled, like coagulated milk. Similar cases are related by Dr Monroe — also cases of water & air that emitted an offensive smell, but I have never met with a case of this kind. — I think I have seen two cases of ascitis terminating finally from an Inflamm^n in the Bladder — but on in one case ~~&~~ by a fall down a pair of stairs.

Hydrothorax.

"Difficulty of breathing. paleness, swelling of the feet, scanty Urine — Difficulty of lying in a horizontal posture — sudden starting up in bed in the midst of sleep — palpitation of the heart — ~~a low~~ frequently a hard ~~pulse~~ or full pulse — & a sense of the fluctuation of water in the breast." —

With ~~to~~ these Symptoms — a cumbersome & adequate of palsy in one or both arms have been observed.

The effusion is in the cavity of the thorax — the substance of the lungs and the pericardium. Often in Hydatides.

It is said ~~to~~ often to ~~often~~ follows excessive V.S. for ~~often~~ pneumonia, & other inflam^d diseases. — But I doubt the truth of this fact. — Few men bleed more freely than I do in inflam^d diseases, & yet of probably some thousand cases, I never saw it

+ I once attended a man who had all the symptoms of Hydrothorax & who died of a true Pneumony. On opening his ~~lungs~~ breast — no water was discov.d — Did the inflamm.n de here produce absorp.=
=ion of the water?

but in one ~~or~~ certainly & two probably. I think it more probable, than effusions are most liberly to take place from obstructed circulation & inflamm^n: in the lungs ~~resolving~~ being left to resolve themselves. I therefore charge Hydrothorax on <u>neglect</u> or <u>def^t</u> of D.: not on its <u>excess</u>. —

Zimmerman says this disease occurs several years after the cure of pneum^y. — One of the persons whom I lost in Hydrothorax, had had two attacks of Pneumony several years before. She spit blood in large quantities a few days before she died — a pretty certain proof of the previous existence of Hydrothorax. + She had a hard pulse several months before she died — also — <u>Clear</u> pneumonia not a few days.

<u>Digitalis</u>, has been much commended, but I can say nothing in its favor from my own experience. Paracentesis has

+ Mr Hooper in 1st Vol: of Med: Mem:
says he saw one case of Hydrocephalus
w contracted pupils. And Dr Wister informed
Me he had seen a case without any enlargement
of pupil. —

several times succeeded when in the cavity of the thorax. I think I once cured it by ~~a sp~~ exciting a sudden salivation. Capt. Billy Smith. — It is generally beyond our present knowledge in medicine. Opium proper to give ease.

Hydrocephalus

Two species — external & internal.

external generally congenial — & generally incurable — Intellects not always impaired by ~~them~~ it, nor health or life destroyed, as in the young man at Passaic falls. —

Internus

" ~~Most a disease affect~~ ~~are affections~~ Disease of the brain affecting Children chiefly with pains in the limbs & head — sickness at stomach — dilatation of the pupils + & sleepiness." —

‡ In James Peale's child I met with this kind of pulse with coma in the morning for three days. it went off at night – he had a fever cough – and swelling on one side of his neck & throat – Bleeding & purging cured ~~it~~ him – of consequence to attend to this fact – the disease was a catarrh – with a little sore throat. –

+ It affects grown persons. I lately saw it in this city. with Hydatides. I remember the case related by Dr Hunter in Middlesex hospital in 1768. Often confounded with worms – hence the origin of worm fever. It affects children of all ages – Mr Calmets' of 11 months. Mr Bends' of five months – had slow pulse – Strabismus & convulsions. –

"‡ The dilatation of the pupil – squinting and aversion to light do not universally exist!" Dr Withering. –

Dr Wright says it comes on ~~suddenly~~ gradually!
Dr Hollingsill suddenly, & often from falls.
My experience agrees w the Dr F. —

Characteristic symptoms are
first terrifying dreams & starting in the
sleep. Dullness in the daytime - weariness -
pains in the limbs & back of the neck -
Afterwards fever - quick - & often full
in the beginning - afterwards slow - then quick &
pulse - great pain in the front part of the
head - & frequent & pathetic comp.ts of it -
weak - One case of absence of it. —
also of sickness at stomach - Dosiness -
costiveness - or dilated pupil - or not - suppression of Urine
or involuntary discharge of it - green
oily glaze like stools - a gloomy or frowning countenance -
- vns - death. The intellect sometimes
stays wired - sometimes not. + ~~Also~~ the
appetite also is frequently the same as in health.
Lyp. & Claypole's ~~many~~ child.n Dr Quin has lately started
a new opinion of its cause - viz:

+ This Gent: was the Au^r of this disease I delivered last 1790 years. ~~The general theory of Dropsy I have taught adopted has satisfied me for the results of it, and I have accordingly~~ ~~invented it that I have called can~~ The general theory of Dropsy I have adopted leads me to observe that I do not think it necessary that Inflam^n should precede the effusion of water in the Brain. There probably may be effusion without it, but the excess of action induced in the arter^l system by the presence of this water on the Brain makes Vs: & the other debil^d powers as necessary here as if it arose from Inflam^n. In looking over my note book, I do not find a single case of the many ~~patients~~ children I have lost in this disease in which the pulse was not full or tense, or slow. ~~Now the~~ Now

slowness

Inflamm.n of the brain. Dr Wallering embraces this Opinion. ~~The~~ Its most frequent Occasional cause - ~~to~~ the habits it attacks, viz falls - the most robust & healthy - ~~to~~ the full pulse w.h attends it, all make this opinion very probable. ~~Co~~ The water a consequence + then not cause of the disease. It

~~There~~ Many remedies proposed & tried - none effectual but ☿. Has succeeded in England - once by Dr Leib, & once by myself. In the my case it was in the last stage in evident defec.t of action. Miss Fox. Pimiral cured one without Salivation. In one case he says a child grew 2 inches in four months after. I saw something of the same kind in a child of Dr Redman's. —

~~If Inflamm.n it is asthenic. Of course v.s. ought be tried — Anneps used: potius quam nullum.~~

of the pulse which is universal in this disease appears to be the effect of an excess of stimulating powers as we see after the exhibition of Digitalis. Opium & Lead. (a) Under the influence of the theory I have delivered I have never ~~ventured to prescribe it~~, & I hope a 2nd patient of Hydrocephalus internus by means of debilitating remedies. The cases are as follow. Vide read note book. —

Thence out of four of all the cases I have seen were from Falls or blows often so trifling, as not to be attended to, & even to be forgotten by the parents of children, probably owing to the length of the ~~the~~ interval ~~in of~~ between the fall & the attack of the disease. Dr Watson in the 4th Vol: of the med: Observations gives us an acct of this interval being 9 weeks. I have seen two cases after the measles. Dr Odier in the med Journal says he saw 4 cases after small pox, measles & scarlatina. —

(a) The frightful dreams too indicate excess of action, for they occur ~~aft~~ in those cases chiefly where excess of action takes place in other diseases, & after too mu

Hydrocele

See Books of Surgery. Have cured the three cases with Caustic & One w: the Needle. —

Dropsy of the Ovaria

Not to be meddled with according to Dr Wm Hunter. Of the Uterus cured by probe, or Delivery. Physconia. —

Large indolent Obstructions chiefly from Intermittents in Liver — Spleen — & Omentum. Less common since the Use of Bark. Many people live from 5. to 20 years w the these Obstructions, & enjoy tolerable health. Cure by ☿ and Exercise —

to much opinion —

v in the reign of Charles II and
affected ~~the~~ children of the ~~Church~~ nobility &
gentry
chiefly. The deformity induced by it
upon the lower limbs first introd?
the fashion of boots to conceal
It is remarkable while drop
that deformity. ~~Jute~~ hair powder
induces some diseases - certain diseases induce certain dresses.
Patches - pudding Cravat - Do. Is said to
be derived from 1. bad diet. 2 moist air. 3 parents. no - why
not common now?
Dr Sydenham says it followed in
= troubling fevers. ~~Is it like~~ Scrophula
a misplaced fever. Is uncommon
in America. ~~a British disease~~.
~~Is accompd by~~ ~~or~~ uncommon now
~~intellect~~. - It follows likewise other
acute diseases - as small pox measles
and even chronic diseases - Is, like Scro=
=phula a misplaced fever. Less common
now than formerly ~~for~~ like malignant fevers
from greater cleanliness - better diet & dress.

Rickets

"Large head projecting forwards, swelling of the knees, depression of the ribs – tumid belly & a general wasting of other parts of the body". — It was very common

First appeared in 1620 in Engd. v

For history see Dr Cullen.

Proximate cause supposed to a defect of ~~lymphy~~ earthy matter in the bones – The Urine in men who labor under it contains more earth than is natural

~~Rem.~~ Among its causes making child. walk too soon has been mentioned, but so far from it – the neglecting it has been the cause in some instances hence most common among the poor & slaves who neglect their children, or place them in situations in wh. they cannot use their limbs. This, of the utmost con=-consequence – hence Childn. shd be permitted to creep before they walk to

strengthen their limbs, & to enable them to use them to defend their heads. Less common ~~[illegible]~~ now than formerly. It seems to be the disease of poverty & slavery. — very common in Edin: unknown in America. —

Remedies

1 Cold Bath 2 Chalybeats & other metal tonics — 3 Gestation & wholsome aliment including milk, & 5 pure Air. ~~Dr Monro informed me~~ In Scotland ~~they~~ cure ~~piles by the liver oil~~ Oil of ~~fishes~~ the Scate fish rubbed ~~into~~ all over the body. ~~the body with advantage~~. How does this work it out? By retaining some matter essential to the texture of the bones, & — make it probable that the disease was produced by want of suff.y of Oil in the aliment — it is remarkable that Oil is most necessary to that part of the body where the disease is seated viz Bones. ~~what~~ from its causes — 1st I suspect it progresses in its first stage — pulse at first ~~[illegible]~~ slow — head much affected ~~[illegible]~~ ~~the~~ close. —

Impetigines.

Scrophula

"Tumor of the Conglobate glands especially in the neck. a swelling of the upper lip & columna of the nose - florid color of the face, soft skin & tumid belly". —

For its history - see Dr Cullen.

Remedies.

I apprehend this disease has ~~two~~ three stages two of pure debility & one of asthenic inflamn. ~~& one of pure debility~~. Hence the great diversity of opinions among physicians of ye efficacy of the same remedies.

In the beginning, where there is tumor only, & no inflamn. or tendency to suppuration, Barb-lead salt, gingerous diet & other stimulants - perhaps even Q may be proper - & a milk diet injurious. When inflamn. & suppuration

& what satisfies me of the truth of this division is the efficacy of cold water applied to Sinophlogistic fores. — It shews a local excess of action which is probably communicated to the whole system. — I have alternately used Lp: & opium, and cold water & with dit with great advantage, accommodating both to the State of Action in the pulse, or to the inflamed, or pallid appearance of the Sore. Mrs Johnson Beesly.

comes on - then great Stimulants are im=
=proper - & milk diet with perhaps mine=
=ral waters are proper. In the 3rd stage the
first medicines again become proper. -

I have seen the Cp: often succeed in in=
=cipient Scrophula. Dr White of London
cured it w: the E & Bath. I have succeeded in
one case lately w: this combination. It was
a recent one. -

In the 2nd or Asthenic inflamn:
~~The~~ Throrowwort has done great service.
- Being a weak Stimulus & more
accomd to mixed Diathesis. Perhaps in
this case only - Vervain & Colsfoot so
much celebrated in Engd & Scotland have
done so much service. Here milk is
proper. + In the 3rd stage - Bark - wine & full
diet proper. I have seen it succeed in
a case abandoned by all friends as hopeless.

+ I once disputed a long wrote dried with this disorder. It began in his neck, & spread to his lungs where it produced great Dyspnoea - also to his pancreas - spleen - Dysentery - & where it produced great swelling - outside & hard tumors within. He comp? of constant pain in his Belly.

+ Saving in his travels this Greek tells us that he met with the Leprosy at Candia, but it was only among poor people who lived on Salt fish - or Botargo, the Smoked and Salted roes of fishes - pickled Olives - and Cheese.

It required a perseverance of several years. - It is ~~good~~ proper not to be too hasty in prognosticating in this disorder - is of long standing, & yet ends well. Cold Bath very proper in 1st & last Species.

Monkies die with it in Eng.d in cold weather. See Dissection of boy.+ -

Elephantiasis & Lepra

are but little known now - owing to im=provements in Agriculture & Horticulture whereby veg: aliment has been multiplied, and animal food made more wholsome.+ I have seen only a few cases of either. Two of Lepra from Virginia where the Revd Mr Clayton says it was very common from fat pork in the first settlement of the Country. One relieved & perhaps cured by Y. & Mrs Mc. - The other died - all his Glands were indurated. Is not Scrophula the avenues=cut homestone of this disorder?

V sometimes the Color of the Skin is black & yellowish ~~sometimes~~ This must be the case ~~for~~ when ~~the bile~~ ~~yellow~~ black, or green bile is absorbed.

V Gall stones often occasion it — They are painful & often incurable. — Low diet, & plentiful dilution by relaxing the cystic duct have sometimes cured it. a Mr Fuller lived forty years subject to colic from them. They had polished each other by friction. ~~He~~ Afterwards died of a fall last Winter. He a Mr Fuller used to discharge gallons of ~~lymph~~ Lymph by vomiting from his stomach. upon opening his gallbladder we found it full of lymph clear as water ~~This was~~ similar to what he used to pube. The Bladder from discased Action secreted this fluid instead of Bile.

Trichoma

keeps its place in books, but Genl Lee informed me that a Scotch physician a Dr. Grey who had lived long in Poland declared he had never seen it.

Yaws – by itself under negro diseases.

Icterus or Jaundice.

Common in Infants – pregnant women & Hepatitis.
After Colics & bilious fevers. – go off in the two former cases soon. The Remedies Vomits – and purges & soap – & ☿ used – Something necessary to give Substitutes for Bile. Dr Chā White of Manchester recommends Rubia tinctorum or madder. a raw egg every four hours. There is a bog in Ireland the water of which cures by being poured on the body. Acts by its coldness. The Cold Bath might be used with equal advantage.

Scurvy.

I have nothing ~~more~~ to say upon this disease which you will not find in Lind - Fullen - & Millman. — The last is an ingenious Author, & well worth your reading. —

Its causes are salt meat - cold - & moisture - want of exercise - ~~weak~~ ~~Debility~~, or from labor or depression of mind ~~&~~ want of cleanliness - to these I can add freshness from a fact related by Dr Morgan. all ~~[illegible]~~ comes in some cases - only part in Others - perhaps none act without more or less depression of mind - one fact related by Dr Lind seems to contradict it - he crew got rich of the Scurvy - After their arrival - from probably great ~~joy~~ debility which I suppose excessive joy - is universal - especially

v Those persons escaped it in Capt: Fuston from Canton to Philad^a: who lived most on tea - Coffee - and Sugar, and who smoked Segars. Four Sailors who had running fores escaped it: ' Decoction of pine wood cured it in Prince Wm Sound - Nootka. - raw Pototoes good.

+ Is a ~~State~~ misplaced fever. bros on by the same causes - we often read of Petechiae without fever. Miasmata create it on land as well as other causes cat fev.

after escapes from great dangers — this appears from the tears which are often shed after these escapes. — They arise from Mr. Logan the Indian Chief calls the "joy of fear" to which he professes himself to be a stranger.

+ The Remedies are. V.S. when full pulse. raw beef vegetables — milk — garlic — above all Juice Crout — cured in Russia by raw animal food. V — Vinegar and Nitre.

The general progress of agriculture & horticulture has banished this disease from the land, even in wild Countries. I have never seen a case of land Scurvy. — The application of Science to Navigation has much lessened it in the Naval life. In the Course of a few years I think it probable that it will be found only in books of medicine.

672

[redacted]

I come now Gent.: to discharge the only duty to you which has not been ~~discharged~~ attended with pleasure since the commencement ~~during the winter~~ of our lectures, and that is, to bid you adieu! — The winter has been to me a laborious one, but it has been rendered agreeable ~~to me~~ by the patient, punctual, & respectful attention with which you have been pleased to honour my labors. — I part with you with great reluctance, — and I can truly say, — I entered that door this morning, — for the first time since we met — with pain. — When I reflect that in a short time distant states will seperate us — perhaps never — never to meet again, — I feel more than I am able to express. I beg

you would consider me in whatever part of the world you may be fixed, as your elder brother in Medicine. ~~I commit my~~ the same ~~principles~~ ~~& modes of practice I have taught you to your~~ ~~examination. and~~ ~~If upon inquiry~~ & trial you find ~~discover them to be erroneous & unsuccessful~~ ~~please pray~~ May you reap ample harvests of honor & profit from those principles and modes of practice which I have taught you, and from which I have reaped (until lately) continue to command my services. ~~with my best wishes for your usefulness and success in life & happiness~~ To the the blessing of that Being in whose hands alone are the issues of all human pursuits, I commend you, and thus bid you a cordial & affectionate Farewell! —

March 2. 1804